Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A device for analyzing the physicochemical properties of a cutaneous surface, ~~having~~comprising:

[[▪]] a set of sensors ~~(5, 7, 8, 9)~~ grouped and located in an acquisition region ~~(4)~~, in front of which said cutaneous surface to be analyzed is intended to be placed;

[[▪]] a processing unit ~~(1)~~ interfaced with the set of sensors, said unit being equipped with analysis means for determining certain physicochemical properties of the cutaneous surface to be analyzed, on the basis of the signals produced by said set of sensors ~~(5, 7, 8, 9)~~.

2. (Currently Amended) The device as claimed in claim 1, ~~characterized in that~~wherein the set of sensors comprises:

[[▪]] a pH sensor ~~(8)~~;

[[▪]] a cutaneous print sensor ~~(5)~~, capable of measuring the topography of the cutaneous surface to be analyzed; and

[[▪]] a skin moisture sensor.

3. (Currently Amended) The device as claimed in claim 2, ~~characterized in that~~wherein the set of sensors ~~furthermore~~further comprises at least one of ~~the sensors selected from the group comprising~~:

[[▪]] a temperature sensor ~~(8)~~;

[[▪]] an ambient humidity sensor ~~(7)~~;

[[▪]] a lipid level sensor; and

[[▪]] a sensor for elastic deformation of the cutaneous surface to be analyzed.

4. (Currently Amended) The device as claimed in claim 1, ~~characterized in that~~wherein at least one of the sensors is made from micro-electromechanical systems (MEMS).

5. (Currently Amended) The device as claimed in claim 1, ~~characterized in that~~wherein the acquisition region is arranged on a fixed base intended to come in contact with the cutaneous surface.

6. (Currently Amended) The device as claimed in claim 1, ~~characterized in that~~wherein the acquisition region is arranged on a mobile component ~~(2)~~, which is electrically connected to the processing unit ~~(1)~~ and can be moved in front of the cutaneous region to be analyzed.

7. (Currently Amended) The device as claimed in claim 1, ~~characterized in that~~wherein the mobile component is connected to the processing unit by a wireless connection~~, for example radio~~.

8. (Currently Amended) The device as claimed in claim 1, ~~characterized in that~~wherein the processing unit is connected to a display terminal ~~(10)~~.

9. (Currently Amended) The device as claimed in claim 8~~,~~ ~~characterized in that it has~~further comprising a plurality of mobile components, each including an acquisition region, which are connected to a processing unit.

10. (Currently Amended) The device as claimed in claim 1, ~~characterized in that~~wherein the processing unit classifies the cutaneous surface to be analyzed in a predetermined category, as a function of the physicochemical properties which are determined.

11. (Currently Amended) The device as claimed in claim 1, ~~characterized in that~~wherein the processing unit is associated with a database of treatment products.

12. (Currently Amended) The device as claimed in claim 1~~,~~ ~~characterized in that it has~~further comprising means that can sterilize the acquisition region after each use.

13. (New) The device as claimed in claim 7, wherein the wireless connection is a radio frequency connection.